

## IN THE CLAIMS

1.-13. (Previously Cancelled)

14. (Previously Presented) A pharmaceutical composition obtained from the green or mature whole fruit of *Roystonea regia* comprising:

a mixture of primary fatty acids with 8 to 28 carbon atoms, the fatty acid selected from the group consisting of caprylic acid (C8:0), capric acid (C10:0), lauric acid (C12:0), miristic acid (C14:0), palmitic acid (C16:0), palmitoleic acid (C16:1), stearic acid (C18:0), oleic acid (C18:1), linoleic acid, and linolenic acid; and

a mixture of esters of the fatty acids;

wherein the fatty acids are enriched from ester hydrolysis.

15. (Previously Presented) The pharmaceutical composition according to claim 14 comprising:

Caprylic acid (C8:0)	< 3.0 %;
Capric acid (C10:0)	< 3.0 %;
Lauric acid (C12:0)	3.0 – 40.0 %;
Miristic acid (C14:0)	4.0 – 15.0 %;
Palmitic acid (C16:0)	10.0 – 80.0 %;
Palmitoleic acid (C16:1)	1.5 – 20.0 %;
Stearic acid (C18:0)	0.1 – 5.0 %; and
Oleic acid (C18:1)	3.0 – 50.0 %.

16. - 25. (Previously Cancelled)

26. (Withdrawn) A pharmaceutical composition for the treatment of BPH in a male mammal, said composition comprises; a *Roystonea regia* fruit extract comprising a mixture of fatty acids and their esters.

27. (Withdrawn) The pharmaceutical composition of claim 26, one of the fatty acids comprises palmitoleic acid in an amount of 1.5 to 20.0% by weight.

28. (Withdrawn) The pharmaceutical composition of claim 26, said fruit comprises a fresh fruit.

29. (Withdrawn) The pharmaceutical composition of claim 26, said fruit consists of the whole fruit.

30. (Withdrawn) A pharmaceutical composition for the treatment of BPH in a male mammal, said composition comprises:

a *Roystonea regia* fruit extract comprising a mixture of fatty acids and their esters, one of the fatty acids comprises palmitoleic acid in an amount of 1.5 to 20.0% by weight; and wherein  
said fruit consists of the whole fruit.

31. (Previously Presented) A pharmaceutical composition obtained from the green or mature whole fruit of *Roystonea regia* comprising:

a mixture of primary fatty acids with 8 to 28 carbon atoms, the fatty acid selected from the group consisting of caprylic acid (C8:0), capric acid (C10:0), lauric acid (C12:0), miristic acid (C14:0), palmitic acid (C16:0), palmitoleic acid (C16:1), stearic acid (C18:0), oleic acid (C18:1), linoleic acid, and linolenic acid, wherein the palmitic acid is present in amount of 10.0 – 80.0%, and the palmitoleic acid is present in an amount of 1.5 – 20.0%; and

a mixture of esters of the fatty acids wherein the fatty acids are enriched from ester hydrolysis.

32. (Withdrawn) A pharmaceutical composition for treating BPH (benign prostatic hyperplasia) comprising an effective amount of a *Roystonea regia* extract wherein the extract is obtained by the process of:

- i) drying green or mature fruits of *Roystonea regia*;
- ii) grinding the dried fruit into a powder;
- iii) subjecting the powder to alkaline hydrolysis; and

iv) extracting the hydrolyzed powder with an organic solvent, whereby the extract comprises a mixture of primary fatty acids with 8 to 28 carbon atoms, wherein the fatty acids comprise caprylic acid (C8:0) in an amount of <3.0%, capric acid (C10:0) in an amount of <3.0%, lauric acid (C12:0) in an amount of 3.0-40.0%, miristic acid (C14:0) in an amount of 4.0-15.0%, palmitic acid (C16:0), in an amount of 10.0-80.0%, palmitoleic acid (C16:1) in an amount of 1.5-

20.0%, stearic acid (C18:0) in an amount of 0.1-5.0% and oleic acid (C18:1) in an amount of 3.0-50.0%.

33. (Previously Presented) The pharmaceutical composition of claim 14, said pharmaceutical composition consists of a *Roystonea regia* whole fruit and further consisting essentially of liquid extract up to 80.0% palmitic and up to 20.0% palmitoleic acids.

34. (Previously Presented) A pharmaceutical composition obtained from the green or mature whole fruit of *Roystonea regia* consisting of:

a liquid extract of the *Roystonea regia* whole fruit comprising:

a mixture of primary fatty acids with 8 to 28 carbon atoms, the fatty acids selected from the group consisting of caprylic acid (C8:0), capric acid (C10:0), lauric acid (C12:0), miristic acid (C14:0), palmitic acid (C16:0), palmitoleic acid (C16:1), stearic acid (C18:0), oleic acid (C18:1), linoleic acid, and linolenic acid; and

a mixture of esters of the fatty acids;

wherein the fatty acids are enriched from ester hydrolysis; and

wherein the C16:0 fatty acid is the major liquid component and the C16:1 fatty acid is up to 20.0%

35. (New) A pharmaceutical composition comprising a lipid fraction extract from the green or mature whole fruit of *Roystonea regia*, said lipid fraction comprises:

a mixture of primary fatty acids with 8 to 28 carbon atoms, the fatty acids comprise caprylic acid (C8:0), capric acid (C10:0), lauric acid (C12:0), miristic acid (C14:0), palmitic acid (C16:0), palmitoleic acid (C16:1), stearic acid (C18:0), oleic acid (C18:1), linoleic acid, and linolenic acid, and wherein the palmitic acid is present in an amount of 10.0 – 80.0%, and the palmitoleic acid is present in an amount of 1.5 – 20.0%.

36. (New) The pharmaceutical composition of claim 35, wherein the extract consists of the product produced by the hydrolysis of glycerides.

37. (New) The pharmaceutical composition of claim 35, wherein the fatty acids further comprise oleic acid (C18:1) in an amount of 3.0 – 50.0%